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**Hydrogen powered aircraft - Patent 20040118969**

The aircraft of claim 1, wherein the fuel source comprises a hydrogen tank ... fuel and the oxidizer such that the power-generation rate of the fuel cell ...  
[www.freepatentsonline.com/20040118969.html](http://www.freepatentsonline.com/20040118969.html) - 79k - [Cached](#) - [Similar pages](#)

**Solid oxide regenerative fuel cell for airplane power generation ...**

An SORFC power generation system, comprising: at least one SORFC; a fuel storage ..... oxidizer (i.e., oxygen depleted air) is vented into the atmosphere ...  
[www.freepatentsonline.com/6854688.html](http://www.freepatentsonline.com/6854688.html) - 71k - [Cached](#) - [Similar pages](#)  
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**Fuel cell for airship power generation and heating - US Patent 6908702**

11 illustrates one preferred layout of the SORFC energy storage system, which includes fuel and oxidizer flow control. FIG. 11 illustrates this system in ...  
[www.patentstorm.us/patents/6908702-description.html](http://www.patentstorm.us/patents/6908702-description.html) - 69k - [Cached](#) - [Similar pages](#)

**Working fluid compositions for use in semi-closed brayton cycle ...**

In prior art Brayton cycle power generation systems, such an oxidizer ... 4, the reactant portion (oxygen) of the oxidizer mixture reacts with the fuel ...  
[www.patentstorm.us/patents/6824710-description.html](http://www.patentstorm.us/patents/6824710-description.html) - 99k - [Cached](#) - [Similar pages](#)  
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**[PDF] POWER GENERATION AND ENERGY USAGE IN A PRESSURIZED MARS ROVER**

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If only a small amount of power is needed, only one of the fuel .... Because a Mars rover must carry its own oxidizer, we feel that overall efficiency ...  
[chapters.marssociety.org/canada/expedition-mars.org/papers/MEP2004.Vanderwyst.et.al.pdf](http://chapters.marssociety.org/canada/expedition-mars.org/papers/MEP2004.Vanderwyst.et.al.pdf) - [Similar pages](#)

**[PDF] FUEL CELL POWER FOR VEHICLES**

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and fuel cell systems for use in selected power generation applications, ..... on the rate constant, the number of reactants involved in the reaction and ...  
[www.usfcc.com/USFCC-TransportationBrochure.pdf](http://www.usfcc.com/USFCC-TransportationBrochure.pdf) - [Similar pages](#)

**SciDAC Review - Project Focus: COMBUSTION SCIENCE - ENERGY Science ...**

Lean premixed combustion is also found in turbines for power generation. .... be highly turbulent to ensure adequate mixing of the fuel and the oxidizer. ...  
[www.scidacreview.org/0602/html/combustion.html](http://www.scidacreview.org/0602/html/combustion.html) - 46k - [Cached](#) - [Similar pages](#)

**[PDF] Primary and Auxiliary Power Source Selection for Reusable Launch ...**

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For example, if one. power source needs fuel and fuel tanks, masses for ..... reactants and the thermal control system in the current. orbiter. Commonality ...  
[pdf.aiaa.org/GetFileGoogle.cfm?gID=12053&gTable=Paper](http://pdf.aiaa.org/GetFileGoogle.cfm?gID=12053&gTable=Paper) - [Similar pages](#)

**[PDF] Microsoft PowerPoint - EML4450L16**

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Fuel cells are particularly suitable for on-site power generation. .... and the fuel and air are supplied at one atmosphere. ...  
[www.sesec.fsu.edu/documents/lectures/ECS2005/FuelCells.pdf](http://www.sesec.fsu.edu/documents/lectures/ECS2005/FuelCells.pdf) - [Similar pages](#)

**[PDF] Fuel Cell Power Generation Feasibility Planning Assessment**

File Format: PDF/Adobe Acrobat

dispatching and control. The fuel cell power plant has a local control console which ..... traditional power generation technology. One of the handicaps to ...  
[www.mtpc.org/Project%20Deliverables/GB\\_PP\\_FeasibilityStudy\\_Boston\\_University.pdf](http://www.mtpc.org/Project%20Deliverables/GB_PP_FeasibilityStudy_Boston_University.pdf) - [Similar pages](#)

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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1128	244/59,53R,62.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 16:17
L2	38	1 and @pd>"20050922"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 16:20
L3	10	MACCREADY near PAUL	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 16:21
L5	7	4 and (atm or psi or psia)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 16:25
S1	460	(fuel adj cell) and ((control\$4) same ((regulat\$3) and pressur\$4 and reactant))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 10:53
S2	238	(fuel adj cell) and ((control\$4) with ((regulat\$3) and pressur\$4 and reactant))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 10:53
S3	16	S2 and (aircraft or aerospace or spacecraft or orbiter)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 11:06
S4	1	"4149688".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 11:10
S5	1	"5755402".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 11:14
S6	1	"20020005457"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:45
S7	2896	fuel adj cell and (pressure with (psi or psia or atm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:46
S8	1683	fuel adj cell and (pressure adj3(psi or psia or atm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:46
S9	1683	fuel adj cell and (pressure adj3 (psi or psia or atm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:46
S10	875	fuel adj cell and (pressure adj2 (psi or psia or atm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:46
S11	1683	fuel adj cell and (pressure adj3 (psi or psia or atm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:46

## EAST Search History

S12	1143	S11 and hydrogen and oxygen	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:46
S13	127	S12 and (("1" or "2" or "3" or "4" or "5" or "6") adj psi)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:53
S14	21	S13 and aircraft	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:49
S15	145	S12 and (("1" or "2" or "3" or "4" or "5" or "6") adj3 psi)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:53
S16	141	S15 and pressure with psi	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:54
S17	141	S15 and (pressure with psi)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:54
S18	27	S17 and (aircraft or spacecraft or aerospace or airplane)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:57
S19	0	S6 adj (psi)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:58
S20	0	S6 adj psi	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:58
S21	1691	"6" adj psi	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:02
S22	3	S21 same (fuel adj cell)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:59
S23	54	S21 same (hydrogen)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:59
S24	22	S21 with (hydrogen)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 12:59
S25	0	S24 and (fuel adj cell)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:00
S26	20	S21 and (fuel adj cell)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:00

## EAST Search History

S27	96	("5" adj psi) and (fuel adj cell) and ((hydrogren or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:03
S28	0	(pressur?4 near ("5" adj psi)) and (fuel adj cell) and ((hydrogren or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:03
S29	0	(pressur4? near ("5" adj psi)) and (fuel adj cell) and ((hydrogren or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:03
S30	0	(pressur near ("5" adj psi)) and (fuel adj cell) and ((hydrogren or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:04
S31	13	(pressure near ("5" adj psi)) and (fuel adj cell) and ((hydrogren or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:04
S32	13	(pressure near ("5" adj psi)) and (fuel adj cell) and ((hydrogen or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:08
S33	3	(pressure near ("4" adj psi)) and (fuel adj cell) and ((hydrogen or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:09
S34	4	(pressure near ("3" adj psi)) and (fuel adj cell) and ((hydrogen or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:16
S35	5	(pressure near ("2" adj psi)) and (fuel adj cell) and ((hydrogen or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:19
S36	8	(pressure near ("1" adj psi)) and (fuel adj cell) and ((hydrogen or oxygen) or (reactant or oxide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:36
S37	38	(fuel adj cell) and (stratosphere)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:37
S38	24	("3346718"   "3438597"   "4403755"   "4415133"   "4568442"   "4697761"   "4722773"   "4742977"   "4768738"   "4863813"   "4907764"   "5106035"   "5178968"   "5340663"   "5374010"   "5547777"   "5678783"   "5709961"   "5810284"   "5839699"   "6347719"   "6364251").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:39
S39	46	("2433641"   "2496087"   "2626348"   "3937424"   "4036455"   "4341607"   "4415133"   "4674709"   "4697761"   "4768738"   "5086992"   "5374010"   "5518205").PN. OR ("5810284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 13:40

## EAST Search History

S40	16	S39 and (fuel adj cell)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:00
S41	3254	(fuel adj cell) and (air with compress\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:01
S42	239	(fuel adj cell) and ((ambient adj2 air) with compress\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:01
S43	228	(fuel adj cell) and ((ambient adj air) with compress\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:07
S44	134	S43 and (hydrogen and oxygen)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:02
S45	24	S44 and (aircraft or aeroplane or aerospace or spacecraft or satellite or wing)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:07
S46	94	(fuel adj cell) same ((ambient adj air) with compress\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:12
S47	5552	Cox and (ambient)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:12
S48	0	"6931247" and (ambient)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:13
S49	0	"6931247.pn." and (ambient)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:13
S50	1	"6931247".pn. and air	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:13
S51	0	"6931247".pn. and compression	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:13
S52	0	"6931247".pn. and compress	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:20
S53	253	(oxygen with compression) and (fuel adj cell)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:21
S54	67	S53 and (oxygen same ambient)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:30

## EAST Search History

S55	87	(fuel adj cell) and (oxygen with ambient with (compress or compressed or compression or compressor))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:30
S56	73	(fuel adj cell) and (oxygen with (ambient adj air) with (compress or compressed or compression or compressor))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:48
S57	289	(reaction adj pressure) and (fuel adj cell)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:50
S58	29	"289" adj (atm or psig or psia or kpm)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:50
S59	40	"289" adj (atm or psi or psig or psia or kpm)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:50
S60	0	((reaction adj pressure) and (fuel adj cell) adj (atm or psig or psia or kpm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:51
S61	147	((reaction adj pressure) and (fuel adj cell) and (atm or psig or psia or kpm))	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/12 14:51
S62	1	"5106035".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 12:20



## EAST Search History

S63	35	(US-20020005454-\$ or US-20020039673-\$ or US-20020070312-\$ or US-20020070313-\$ or US-20020072361-\$ or US-20030077495-\$ or US-20030109281-\$ or US-20030148153-\$ or US-20030198851-\$ or US-20040053099-\$ or US-20040104519-\$ or US-20040202903-\$ or US-20040209136-\$ or US-20050123810-\$ or US-20050130007-\$ or US-20050160909-\$ or US-20050170224-\$ or US-20050196659-\$).did. or (US-3607419-\$ or US-5047298-\$ or US-5106035-\$ or US-5126031-\$ or US-5192627-\$ or US-5268346-\$ or US-5316869-\$ or US-5320716-\$ or US-5458095-\$ or US-5505824-\$ or US-5810284-\$ or US-6207132-\$ or US-6280867-\$ or US-6550717-\$ or US-6858045-\$ or US-6931247-\$). did. or (US-3489144-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 12:48
S64	26	S63 and (atm or Pa or bar or torr or psi)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 13:29
S65	2	S63 and cooley	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 13:30
S66	15	"3346718"	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 13:30
S67	1	"5106035".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/06 11:43
S68	1	"20040118969"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/06 09:58
S69	4450	Preston.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/06 11:43
S70	34	Preston.in. and parachute	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/06 11:43

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	36	Hibbs near bart or curtin near robert or maccready near paul	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/04 16:22
L6	4	aircraft fuel source oxidizer power generation rate controller reactant fuel one atmosphere	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/04 16:26